TL-WPS510U Quick Installation Guide

1. Preparatory work before installation.

(1) Please download the latest compatibility list from our website:

http://www.tp-link.com/products/product_des.asp?id=170

Please check whether your printer is in the list. If you can not find your printer there, it may be incompatible with our print server (Of course, maybe we just don't test the printer model).

(2) Please directly connect your printer to your computer and make sure you can print without problem.

(3) You'd better manually reset the print server to factory default settings first.

Please refer here: http://www.tp-link.com/support/showfaq.asp?id=140

(similar as the router to reset)

2. Install the print server to your network.

TL-WPS510U supports two working modes: **Ad-Hoc** and **Infrastructure**.

Ad-Hoc Mode

Infrastructure Mode

The default working mode is Ad-Hoc, but if so, you can not get on Internet by wireless while you want to use your printer. When this print server works in Infrastructure mode, you could both share the printer and Internet by wireless or wired connection to your wireless router.

To configure the print server to work in Infrastructure mode, you have to configure Ad-Hoc mode first to make your computer connected with print server and then change its working mode.

Now, we begin to configure the print server to work in Infrastructure mode.

Step 1 Connect the print server to your printer with the supplied printer cable, and turn on the print server's power.

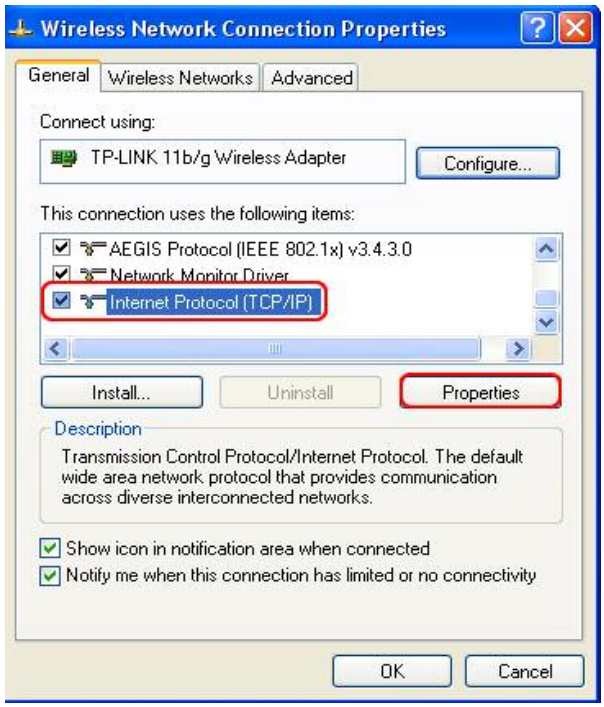
Step 2 Connect your computer to TL-WPS510U (Ad-Hoc Mode).

For Windows XP:

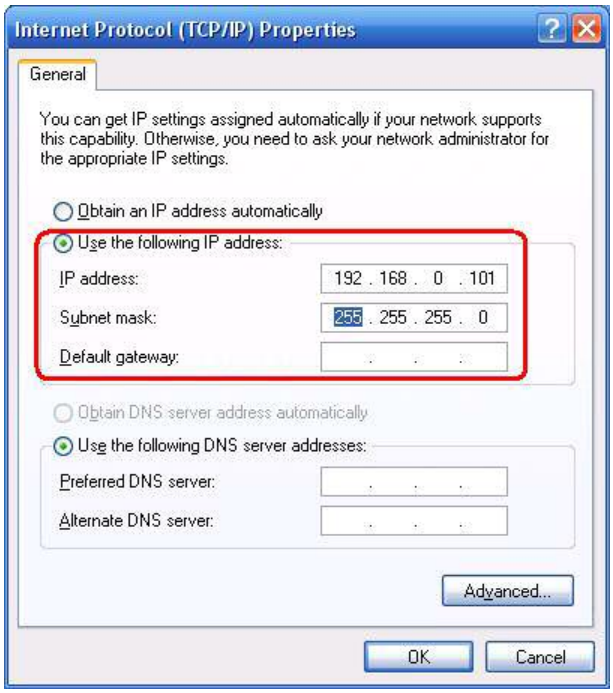
(1) On the Windows taskbar, click the **Start->Control Panel**, then select and double-click **Networking Connections**.

(2) Right Click **Wireless Connection**, select and click **Properties.**

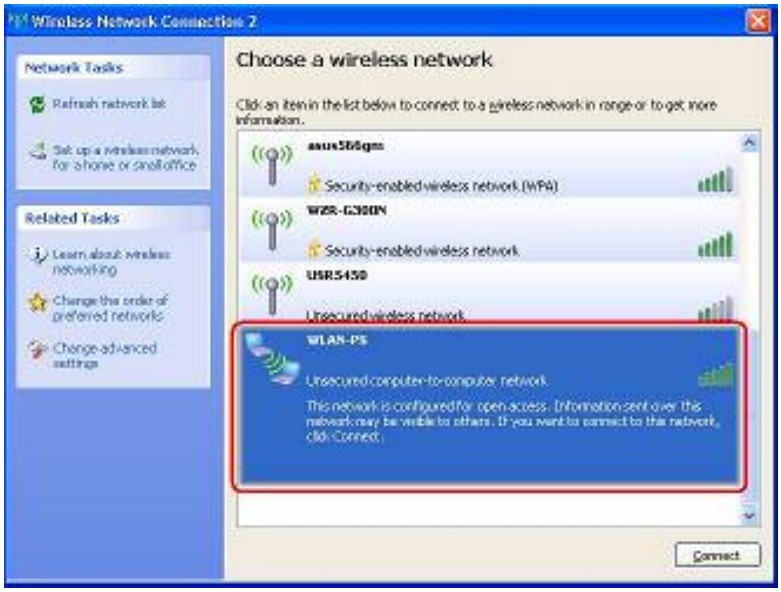
(3) Select **Internet Protocol (TCP/IP),** then double click it or click **Properties.**



(4) Select "Use the following IP address" and input the static IP address, e.g.**192.168.0.101,** subnet mask: 255.255.255.0;


Internet Protocol (TCP/IP) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address: 192 . 168 . 0 . 101
Subnet mask: 255 . 255 . 255 . 0
Default gateway:
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server:
Alternate DNS server:
Advanced...
OK
Cancel

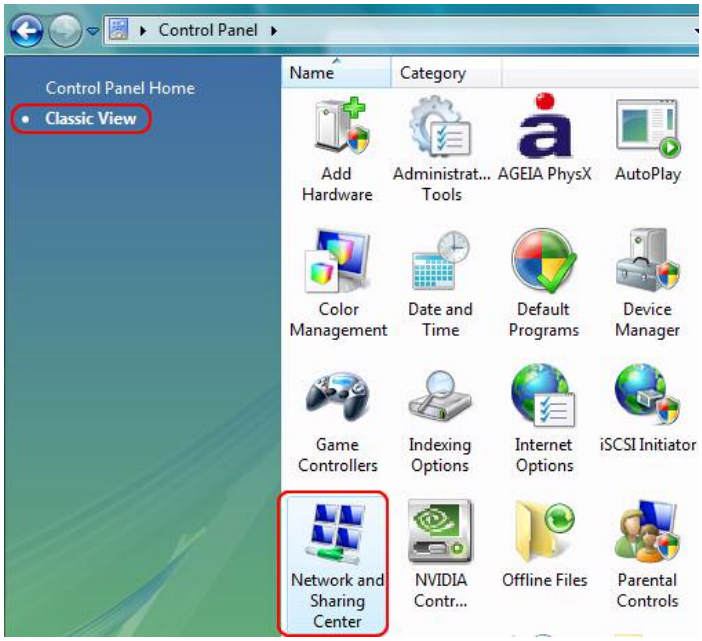
(5) Find the SSID **WLAN-PS** of wireless print server by Windows Zero Configuration or vendor utility of wireless adapter. Then click **Connect**.


Wireless Network Connection 2
Network Tasks
Related Tasks
Choose a wireless network
Click an item in the list below to connect to a wireless network in range or to get more information.
Security-enabled wireless network (WPA)
Security-enabled wireless network
Unsecured wireless network
WLAN-PS
Unsecured computer-to-computer network
Connect

For Windows Vista:

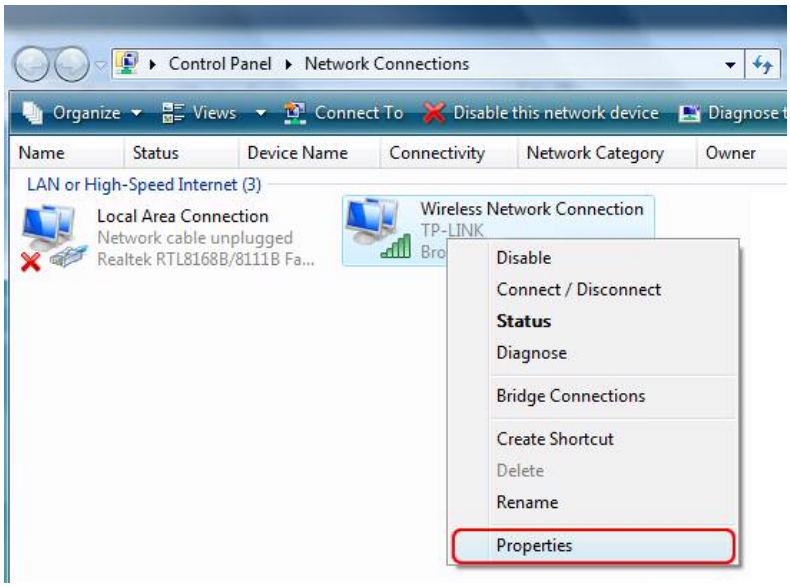
(1) On the Windows taskbar, click the **Start**, then select **Control Panel**;

(2) Select **Classic View** on the left side then double-click **Networking and Sharing center**;

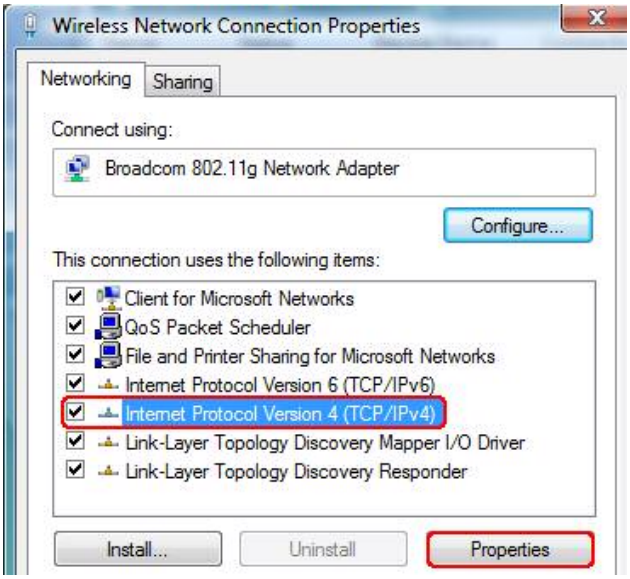


(3) Click **Manage network connections** on the left side;

(4) Right click on **Wireless Network Connection** and select **Properties**;

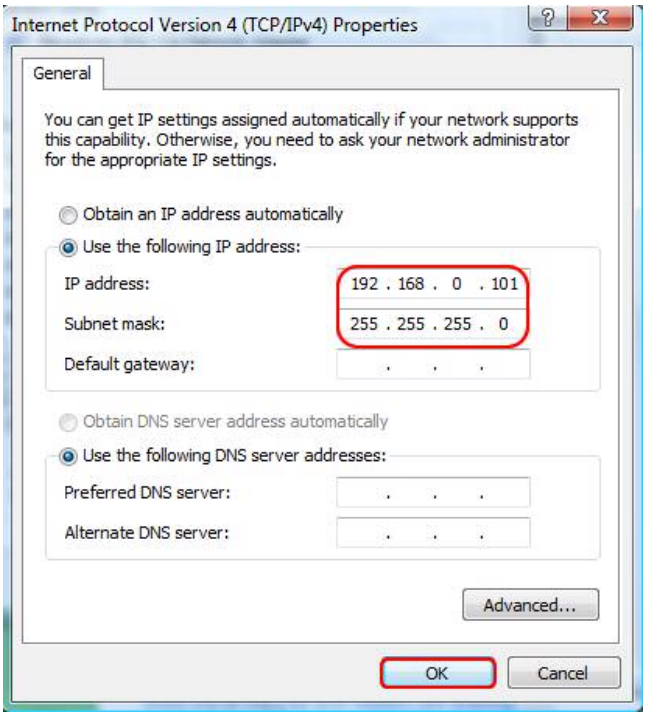


(5) Highlight the **Internet Protocol Version 4(TCP/IPv4)** and select **Properties**;

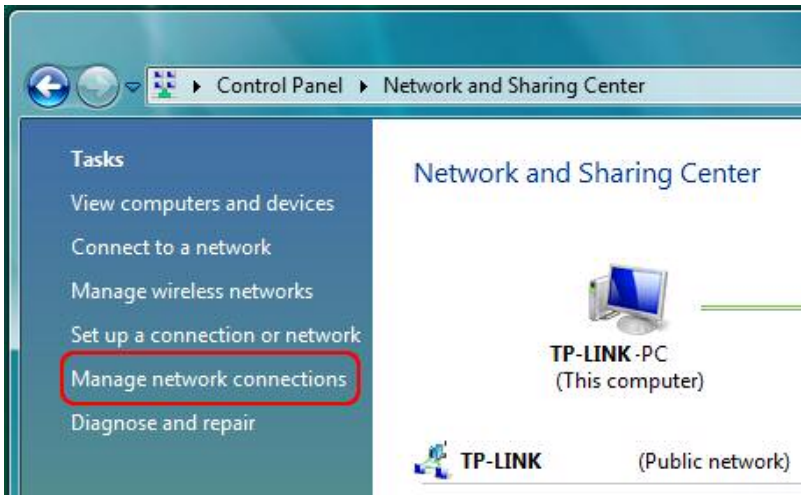


(6) Select "Use the following IP address" and input the static IP address, e.g.**192.168.0.101**

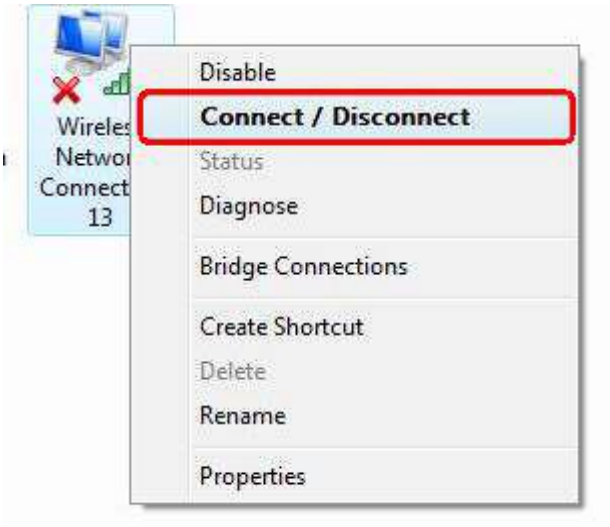
Subnet mask: 255.255.255.0, then click **OK**.


Internet Protocol Version 4 (TCP/IPv4) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address:
192 . 168 . 0 . 101
Subnet mask:
255 . 255 . 255 . 0
Default gateway:
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server:
Alternate DNS server:
Advanced...
OK
Cancel

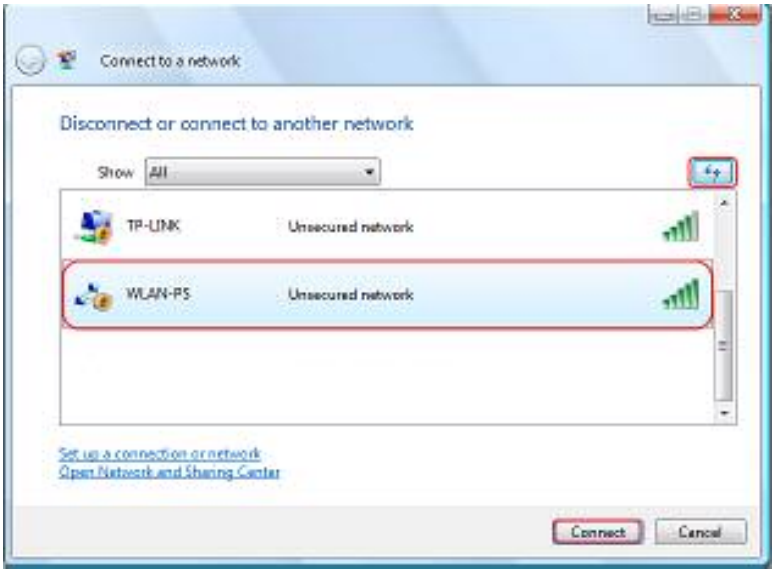
(7) Go back to **Network and Sharing Center**, then click **Manage network connections**.



(8) Right click on **Wireless Network Connection** and select **Connect/Disconnect**;



(9) Click **Refresh** button to view the wireless network. Select the **WLAN-PS**, then double click it or click Connect.



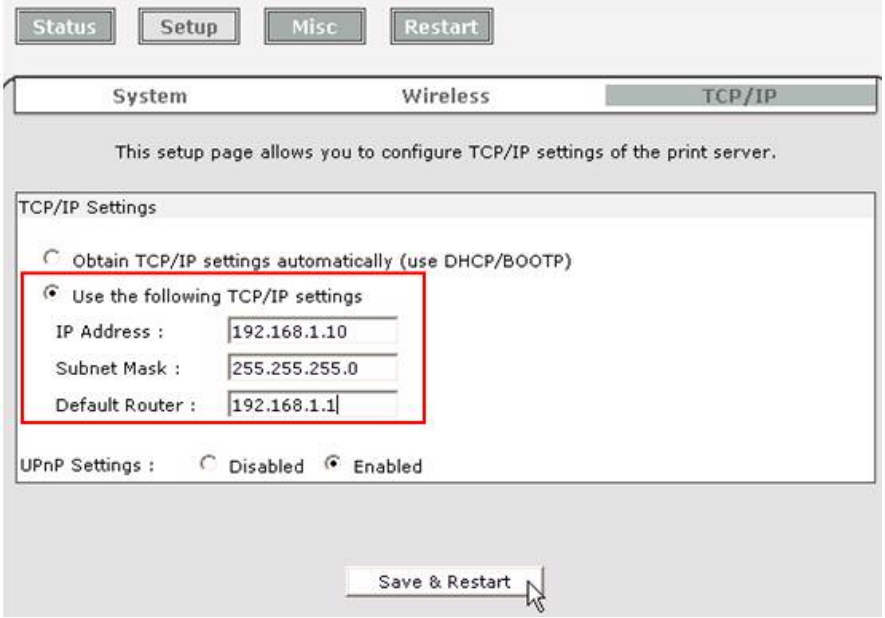
Step 3 Configure the wireless print server to connect to your existing wireless network (Infrastructure Mode).

1 Open web browser and type the IP address of the print server (default is 192.168.0.10) to the address bar and press **Enter**.

2 Type the username and password in the login page. The default username is **admin**, and the password is **0000** (the number zero).

3 Click **Setup -> TCP/IP** at the setup page of the print server, and then configure the TCP/IP settings. (We recommend a static IP)

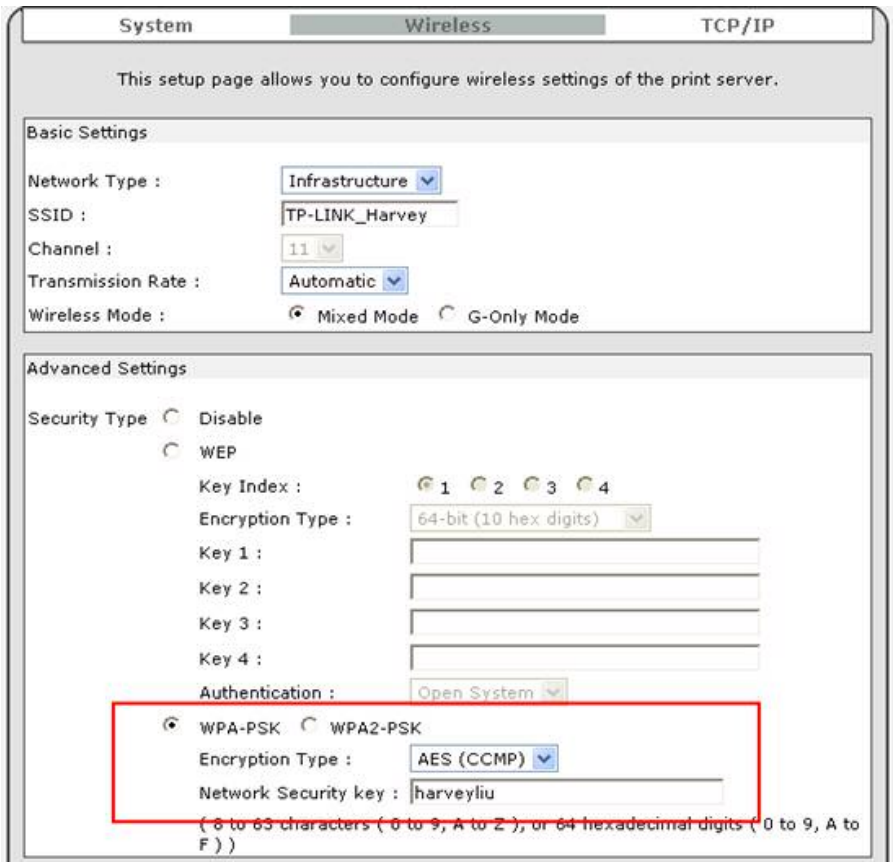
Note: If the IP of your existing local network is 192.168.1.x, then the IP of the print server also should be 192.168.1.y y is different from x . Type your router's IP (LAN IP of your router) into the **Default Router**.

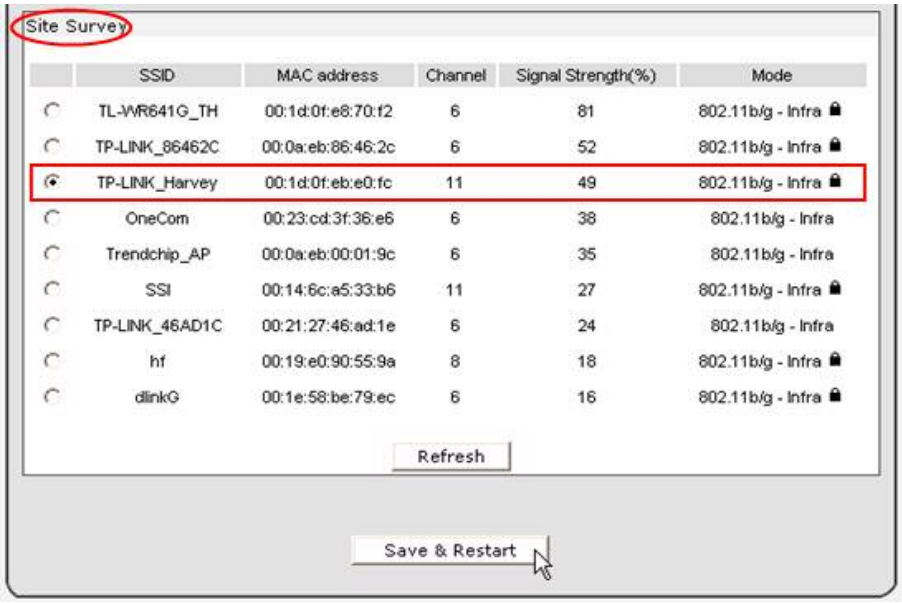


4 After you **Safe & Restart** the settings, you should change the static IP of your wireless network connection from 192.168.0.a to 192.168.1.b, then search and connect the TL-WPS510U again. Please just refer to the **Step 2**.

5 Then you could log into the setup page again by the IP 192.168.1.y (for example here is 192.168.1.10). And now we configure the wireless settings.

Click **Setup -> Wireless**, in the **Site Survey**, please choose the right wireless network that the print server would be connected to. Then you will find the network type is automatically changed to **Infrastructure**, and other basic settings are also changed for your wireless network. If your wireless router/AP has been set wireless security, then you should make the same settings in the **Security Type** (you know, in infrastructure mode the print server is just like wireless adapter).


System
Wireless
TCP/IP
This setup page allows you to configure wireless settings of the print server.
Basic Settings
Network Type : Infrastructure
SSID : TP-LINK_Harvey
Channel : 11
Transmission Rate : Automatic
Wireless Mode : Mixed Mode G-Only Mode
Advanced Settings
Security Type Disable
WEP
Key Index : 1 2 3 4
Encryption Type : 64-bit (10 hex digits)
Key 1 :
Key 2 :
Key 3 :
Key 4 :
Authentication : Open System
WPA-PSK WPA2-PSK
Encryption Type : AES (CCMP)
Network Security key : harveyliu
(8 to 63 characters (0 to 9, A to Z), or 64 hexadecimal digits (0 to 9, A to F))


Site Survey
SSID MAC address Channel Signal Strength(%) Mode
TL-WR641G_TH 00:1d:0f:e8:70:f2 6 81 802.11b/g - Infra
TP-LINK_86462C 00:0a:eb:86:46:2c 6 52 802.11b/g - Infra
TP-LINK_Harvey 00:1d:0f:eb:e0:fc 11 49 802.11b/g - Infra
OneCom 00:23:cd:3f:36:e6 6 38 802.11b/g - Infra
Trendchip_AP 00:0a:eb:00:01:9c 6 35 802.11b/g - Infra
SSI 00:14:6c:a5:33:b6 11 27 802.11b/g - Infra
TP-LINK_46AD1C 00:21:27:46:ad:1e 6 24 802.11b/g - Infra
hf 00:19:e0:90:55:9a 8 18 802.11b/g - Infra
dlinkG 00:1e:58:be:79:ec 6 16 802.11b/g - Infra
Refresh
Save & Restart

6 Click **Save & Restart** to save the settings, then the print server will connect to your wireless network and any computer wired or wireless connected to the network could access to the print server.

3 Add Standard TCP/IP print port

We recommend run the utility **PSWizard** to add it automatically.

1 Insert the setup CD into your CD-drive. The auto-run program will be started.

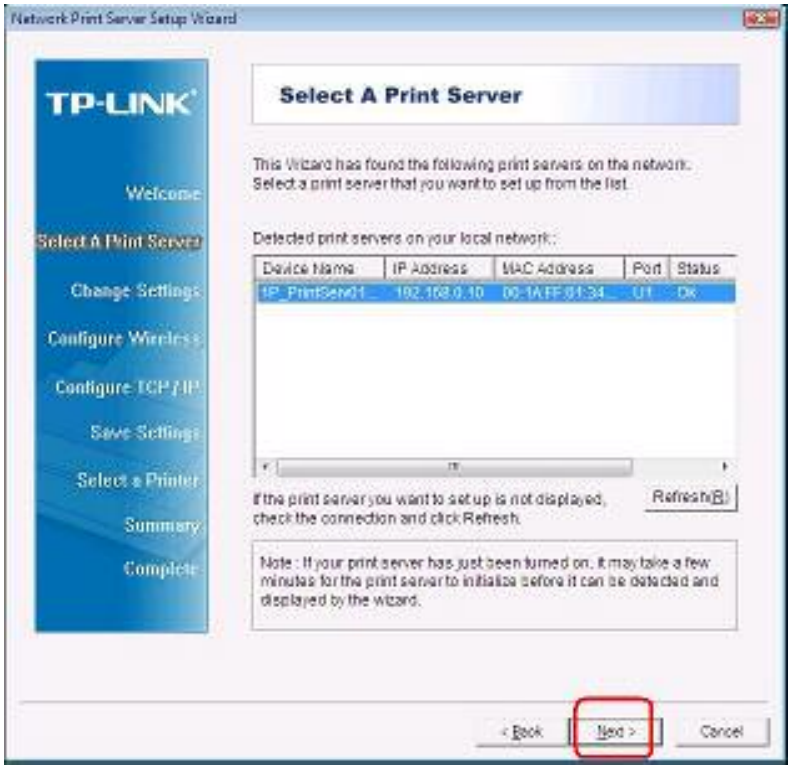
2 Choose **TL-WPS510U** to begin the setup.

(3) Choose **Setup Wizard** to install the print server and configure the connected printer.

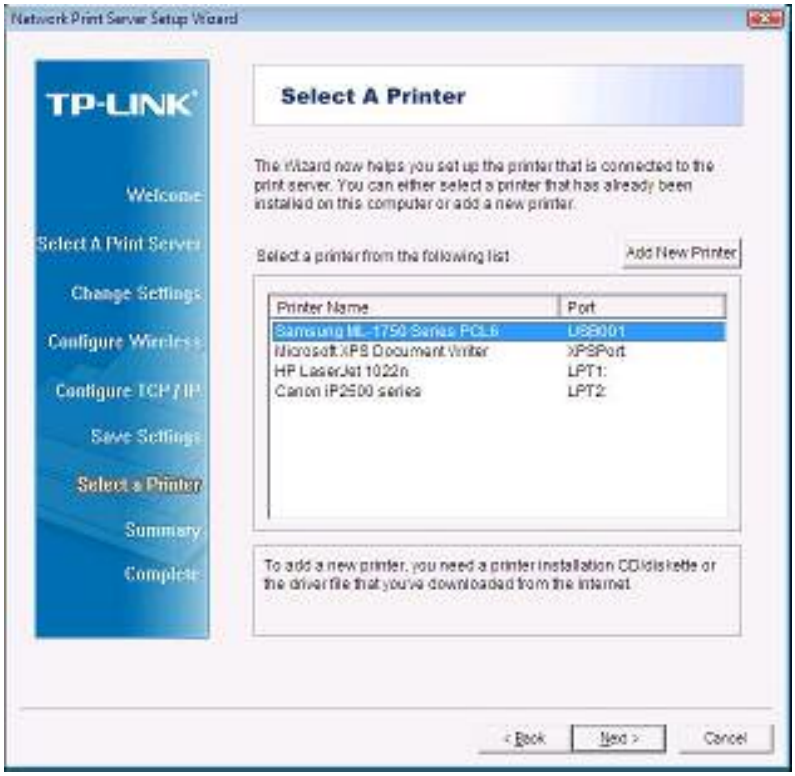
(4) Click **Next**, the wizard will automatically discover the print server.

TP-LINK
Welcome to the Network
Print Server Setup Wizard
Welcome
Select A Print Server
Change Settings
Configure Wireless
Configure TCP/IP
Save Settings
Select a Printer
Summary
Complete
This Wizard guides you through the installation of the Network print server that is connected to the local area network on this computer.
Before you proceed, make sure the print server and the printer are properly connected and turned on.
To continue, click Next.
Version 0.86.02
< Back
Next >
Cancel

(5) On the "Select A Print Server" screen, select the **print server** that you want to configure and click Next.


Network Print Server Setup Wizard
TP-LINK
Select A Print Server
Welcome
Select A Print Server
Change Settings
Configure Wireless
Configure TCP/IP
Save Settings
Select a Printer
Summary
Complete
This Wizard has found the following print servers on the network. Select a print server that you want to set up from the list.
Detected print servers on your local network:
Device Name
IP Address
MAC Address
Port
Status
If the print server you want to set up is not displayed, check the connection and click Refresh.
Refresh(R)
Note : If your print server has just been turned on, it may take a few minutes for the print server to initialize before it can be detected and displayed by the wizard.
< Back
Next >
Cancel

(6) On the Change Settings screen, just click **Next** and then to select your printer connected to print server.


Network Print Server Setup Wizard
TP-LINK
Welcome
Select A Print Server
Change Settings
Configure Wireless
Configure TCP/IP
Save Settings
Select a Printer
Summary
Complete
Select A Printer
The Wizard now helps you set up the printer that is connected to the print server. You can either select a printer that has already been installed on this computer or add a new printer.
Select a printer from the following list
Add New Printer
Printer Name
Port
Samsung ML-1750 Series PCL6
USB001
Microsoft XPS Document Writer
XPSPort
HP LaserJet 1022n
LPT1:
Canon iP2500 series
LPT2:
To add a new printer, you need a printer installation CD/diskette or the driver file that you've downloaded from the Internet.
< Back
Next >
Cancel

If your printer is not here, please check whether you have turned on the printer and make sure you have installed the printer driver on the computer.

(7) Click **Next** and finish the whole wizard, then the software will add **Standard TCP/IP** print port automatically and you could share the printer by print server. If your operating system is XP, please go to **Start-> Printers and Faxes** and if you can find a copied printer icon (the printer driver), please right click it and set it as default printer.

Note:

1. If you fail to find the print server in the **PSWizard**, please try to disable the **Local Area Connection** (the wired connection) and do it again.

2. If some settings changing (such as wireless security) in the wireless router results in the print server (printer) fail to work, I think you'd better reset the print server to factory defaults manually and redo all the settings above.

3. You also could add Standard TCP/IP print port manually. Please refer to here:

http://www.tp-link.com/support/showfaq.asp?id=181